

EXHIBIT B

CERTIFICATION FOR TRANSLATION

As a below named translator, I hereby declare that my residence and citizenship are as stated below next to my name and I hereby certify that I am conversant with both the English and Korean languages and the document enclosed herewith is a true English translation of Invention Disclosure with respect to KPA No.2000-86178, which the translation is accurate.

NAME OF THE TRANSLATOR : Jee-Sun KANG

SIGNATURE : 7/2/18

RESIDENCE : MIHWA BLDG., 110-2, MYONGRYUN-DONG 4-GA, CHONGRO-GU, SEOUL 110-524, KOREA

CITIZENSHIP : REPUBLIC OF KOREA

◆ Invention disclosure

<<Rights, which can be registered with respect to the present invention relating to the jobs of employees, are granted to an employees' corporation under the regulation of articles 39 and 40 of the patent law >>.

■ The present employee invention is received to the intellectual property team of the telecommunication institute (Suwon city and Gumi city).

■ Title of Invention : CODING AND APPLICATION OF WEATHER INFORMATION

■ Name of Subject: -

■ Subject Code: -

■ Name of Product: -

■ Name of Core Technique (Code)

■ Evaluation of technical contents

Items						
Type of Invention	<input type="radio"/> individual invention <input type="radio"/> industry-university cooperation <input type="radio"/> outside development <input type="radio"/> corporative development					
Contract Management	[Contract Attachment]					
	The name of File		The description of File			
	[inscription of a property right and description about compensation problems]					
Disclosed Particulars	Due date of disclosure		Disclosed country and organization		Disclosure type	

■ Identification of inventors

Inventor's name	Assigned Department	Representative	Share (%)	Inventor's address
	Inventor's Resident Number			
JONG-CHEOL BAE	Development Group 3 (wireless)	○	100	306-403, hwaseong grand, 785, guam dong, buk gu, Daegu metropolitan city
	711218-1923121			

■ File of employee invention report

Name of File	Description of File
Weathercoding.gul	Invention Specification
InventionDeclaration.gul	Invention Declaration

■ Judgment of invention grade

Subjects of Judgment		Date of Judgment	Grade	Opinion
Inventor	JONG-CHEOL BAE	[REDACTED]	A	weather information is very important and valuable
Chief of inventor	SEUNG-CHEOL CHOI	[REDACTED]	A	POS related to weather is possible
Patent Team		[REDACTED]	A	a package input through computers
Evaluation committee		[REDACTED]	A	a package input through computers

■ Dates regarding employee invention

Date of Inventor Report	[REDACTED]	Approval Date of Team Leader	[REDACTED]	Receipt Date of Patent Team	[REDACTED]
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■ Receipt number of employee invention : GW-200011-026-1

Employee Invention Report (Invention Disclosure) ● Title of Invention * Simple & clear title capable of expressing the content of the invention		[Points to be pre-checked] <input type="radio"/> prompt application is necessary under the first-to-file system <input type="radio"/> complete invention is necessary - the invention must be backed up by embodiments, data, etc. - incomplete or only desired idea is not available <input type="radio"/> publication before application is prohibited - academy presentation, paper publication, sale, display, etc. are prohibited				
Korean	Coding and application of weather information					
English	Coding and applying about weather information					
Related prior art & prior application		- all technologies in relation to the present invention, which have already been filed or are currently pending - improvement application can be filed within one year from the first application data, with domestic priority claiming				
[Technology Source] (optionally fill only corresponding blanks)	Similar patent or application	Application/registration No.			Application/registration Date	
		Title of Invention				
		Applicant				
	Background document or product	Document name/product model name			Publisher/manufacturer	
		Publication/production date			Page/others	
	Prior application(s) of the inventor(s) related to the invention	Filed application(s)	Title of invention			
			Application no./date		(19 ...)	
		Pending application(s)	Title of invention			
Receipt no./date			(19 ...)			

1. BACKGROUND OF INVENTION

A. FIELD OF INVENTION

The present invention relates to technology for simply coding weather information (weather conditions, time, date, area, etc.) and periodically transmitting/receiving the coded weather information through SMS-CB to thereby display weather information (weather conditions, time, date, area, etc.) matched to a simple text or animation in a mobile terminal.

B. DESCRIPTION OF PRIOR ART

Conventional mobile terminals cannot provide users with information about the corresponding day's weather, the next day's weather, or weather after a few hours, and also have no scheme for coding weather information (weather conditions, time, date, area, etc.).

C. PROBLEMS OF THE PRIOR ART & OBJECTS OF THE INVENTION

10 - PROBLEMS OF THE PRIOR ART

In conventional mobile terminals, weather information (weather conditions, time, date, area, etc.) is neither displayed nor coded.

- OBJECTS OF THE INVENTION

15 An object of the present invention is to give accommodation to a user by coding weather information (weather conditions, time, date, area, etc.) and displaying information about weather on a predictable date, such as the corresponding day's weather, the next day's weather, weather after a few hours, weather before a few hours, or the like, in a mobile terminal.

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2. DETAILED DESCRIPTION OF THE INVENTION

A. CONSTRUCTION OF THE INVENTION

An apparatus according to the present invention includes a base station for coding weather information (weather conditions, time, date, area, etc.) and transmitting the coded weather information to a mobile terminal by using SMS-CB, and a unit for receiving the code weather information through SMS-CB, comparing the received weather information with weather information codes within the mobile terminal, and displaying a text or animation matched to the weather information code on a screen.

B. OPERATION OF THE INVENTION

Weather information (weather conditions, time, date, area, etc.) is coded using standardized codes, and a base station transmits the coded weather information by using SMS-CB. A mobile terminal receives the transmitted weather information through SMS-CB, decodes the received weather information, and displays the decoded weather information as a text or animation.

C. EFFECTS OF THE INVENTION

The present invention allows a user to know weather information (weather conditions, time, date, area, etc.). Weather information of each moment is of great value, and a user will be benefited by such weather information.

3. CLAIMS

○ Very important Item which determines the invention and its scope (*omissible when the description part is unnecessary)

- mention only characteristic matters which are desired to be protected by an exclusive right
- mention novel elements necessary to have the same effect as the characteristics of the invention

[Examples]

1. Superordinate Concept (Independent Claim)

- ○○ device (circuit) comprising A for performing an XXX function and B for performing a YYY function.
- ○○ method comprising an A step and a B step.

2. Subordinate Concept (Dependent Claim)

- The device (circuit) of claim 1 (citing the independent claim), wherein the detection unit (means) comprises ... for ..., and for
- The method of claim 1 (citing the independent claim), wherein the connection in step A is

3. Superordinate Concept (Independent Claim)

1. Superordinate Concept

- Coding of weather information (weather conditions, time, date, area, etc.).

- Transmission of the coded weather information by use of SMS-CB.

5 - Technology for decoding the coded weather information in a mobile terminal.

4. Drawings

1. A view which can best express the characteristics of the invention shall be selected as a representative drawing, and the same reference numerals as those in the detailed description of the invention shall be marked in the drawings
2. Brief description of the drawings shall be attached under the drawings (* omissible when the description is unnecessary)

10 A. DRAWINGS OF THE PRIOR ART

None

B. DRAWINGS OF THE INVENTION

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A weather code consists of 32 bits.

Area code: 8 bits (EXTention can be used)

Date code: 8 bits

Time code: 8 bits

20 Weather code: 8 bits

